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Description

The present invention relates to a note-book.

As is known, note books, for example diaries, agendas or the like are constituted by a stack of sheets mutually bound to one another, and by a cover, which can have various shapes, but which is in any case made as an integral part connected to the stack of sheets, so that it is not reusable.

Other types of note-books have a cover made of cheap material which is insertable in a jacket which has pockets for the insertion of the flaps of the note-book.

This type of note-book does not solve the problem, since it is in any case necessary to provide a cover for the note-book and furthermore a good connection between the note-book and the added cover is not always achieved.

The above described disadvantage is all the more felt in the case of note-books having, inside the flaps of the cover, regions particularly equipped for the insertion, for example, of calculators, directories, stationery and the like, since their transfer to a new note-book can be, in some cases, problematic.

Also known from DE-A-1907,770 is a ring binder or note-book as defined in the precharacterizing part of claim 1.

However, also this known type of ring binder or notebook has the shortcoming that it does not provide regions inside the flaps of the cover which are particularly equipped for the insertion of calculators, directories, stationery and the like, and which can be easily transferred to a new note-book.

The aim of the invention is to eliminate the above described disadvantages by providing a note-book with regions inside the flaps of the cover which are particularly equipped for the insertion of calculators, directories, stationery and the like, and which can be easily transferred to a new note-book.

Within this aim, an object of the invention is to provide a note-book with means for the removable connection of the sheets to the cover which allows to easily remove the block of sheets constituting the actual note-book, with the possibility of replacing it, for example, at the end of each year, with a new block of sheets.

A further object of the invention is to provide a note-book wherein the connection of the sheets to the cover is extremely stable and therefore such as to obtain a practical product and of great quality.

Another object of the present invention is to provide a note-book which, by virtue of its peculiar constructive characteristics, is capable of giving the greatest assurances of reliability and safety in use.

Not least object of the present invention is to provide a note-book with means for the removable connection of the sheets to the cover, which is

easily obtainable starting from elements and materials commonly available on the market, and which, furthermore, is advantageous from a merely economical point of view.

The above described aim, as well as the objects mentioned and others which will become apparent hereinafter, are achieved by a note-book as defined in claim 1.

Further characteristics and advantages of the invention will become apparent from the detailed description of a note-book, illustrated only by way of non-limitative example in the accompanying drawings, wherein:

Figure 1 is a schematic perspective exploded view of the note-book with the stack of sheets shown separately;

Figure 2 is a plan view of the detail of the coupling means;

Figure 3 is a view of the detail of the hole provided on the trays; and

Figure 4 is a detail view of the key of the slider for locking the trays inside the flaps.

With reference to the above described figures, the note-book, generally indicated by the reference numeral 1, comprises a cover which is constituted by a front flap 2 and by a rear flap 3 which are joined by a flexible spine 4; preferably the spine as well as the edges of the flaps are made of flexible plastic, while the flaps are constituted by rigid elements which are practically included in the molding of the plastic material.

A stack of sheets, which constitutes the basic part of the book, generally indicated by the reference numeral 10, is insertable inside said cover.

Means are provided for the removable connection of the stack of sheets 10 to the cover, which are constituted by tabs 11 which protrude laterally from the back of the stack of sheets and are provided with through holes 12.

Centering pins 15 with an inner cavity 16 are provided correspondingly inside the flaps 2 and 3, and insert in said holes.

The tabs are in practice locked between the inner surface of the flaps 2 and 3 and of the trays 20, however equipped, which are removably connected to the inner surfaces of the flaps.

In order to retain the trays 20 in position, locking means are provided which are preferably constituted by a slider 21 which has a plate-like region 22 slideably guided between tabs 23 defined by the inner surface of the flap.

The slider 21 has a button-like portion 25 which is provided, at one end, with an undercut recess 26. The button protrudes from an oval hole 30 defined on the edge of the trays and provided, at one longitudinal end, with a locking tooth 31 which by inserting in the recess 26 in practice locks the tray with respect to the flap.

Moreover, an elastic stem 35 is provided on the plate-like body of the slider and is elastically accommodatable in a positioning recess 36 to keep the slider in the required position.

In practical use, once the tabs are positioned by inserting the pins 15 in the corresponding holes 11 the related tray is applied to the inside of the flaps so that the button 25 protrudes from the oval hole 30, then a reduced translatory motion is performed so that the recess 26 of the button 25 couples to the locking tooth provided at the end of the oval hole.

In order to remove the book and replace it with a new one, naturally the above described operations are performed in reverse order.

In this manner the stack of sheets which constitutes the book is stably held to the cover, thus constituting an integral part thereof, having however the possibility of easily removing the stack of sheets for its rapid replacement.

From what has been described it can thus be seen that the invention achieves the intended aims and in particular the fact is stressed that it is possible to rapidly and simply interchange the stack of sheets, obtaining however a book in which said stack of sheets is stably connected to the outer cover.

In practice, the materials employed, as well as the contingent dimensions and shapes, may be any according to the requirements.

Where technical features mentioned in any claim are followed by reference signs, those reference signs have been included for the sole purpose of increasing the intelligibility of the claims and accordingly, such reference signs do not have any limiting effect on the scope of each element identified by way of example by such reference signs.

Claims

1. Note-book comprising a cover, constituted by a front flap (2) and by a rear flap (3) joined by a spine (4), a stack of sheets (10) joined to one another, and tabs (11) which protrude from the back of said stack of sheets (10) and are removably retainable between the inner surfaces of said flaps (2,3), characterized in that it further comprises trays (20) for containing calculators, directories, stationery and the like which are removably associated with the inner surface of said flaps (2,3), and locking means for removably locking said trays (20) on said flaps (2,3), said locking means comprising a slider (21) slideably connected to the inner surface of said flaps (2,3) and having a button-like portion (25) engageable with an oval hole (30) defined in said trays (20).

2. Note-book according to claim 1, characterized in that said oval hole (30) has, at one of its ends, a tooth (31) engageable in an undercut recess (26) defined by said button (25).

3. Note-book according to claim 1, characterized in that said slider is slideably guided by tabs (23) rigidly provided on the inner surface of said flaps (2,3).

4. Note book according to claim 1 and 2 or 3, characterized in that it further comprises means for positioning said slider (21), constituted by an elastic stem (35) provided on the body of said slider and being accommodatable in a recess (36) defined by the inner surface of said flap (2), whereby to maintain said slider (21) in a required position with respect to said flap (2).

Revendications

1. Bloc-notes comprenant une couverture, constituée d'un plat de face (2) et d'un plat arrière (3) assemblés par un dos (4), une pile de feuilles (10) réunies les unes aux autres, et des pattes (11) qui dépassent du dos de ladite pile de feuilles (10) et sont susceptibles d'être fixés de façon amovible entre les surfaces internes desdits plats (2, 3), caractérisé en ce qu'il comprend également des cadres (20) pour ranger des calculatrices, des répertoires, de la papeterie et autres, qui sont associés de manière amovible avec la surface interne desdits plats (2, 3), et des moyens de verrouillage pour verrouiller de manière amovible lesdits cadres (20) sur lesdits plats (2, 3), lesdits moyens de verrouillage comprenant un patin (21) calés par glissement à la surface interne desdits plats (2, 3) et ayant une partie en forme de bouton (25) susceptible de s'engager dans un trou ovale (30) défini dans lesdits cadres (20).

2. Bloc-notes selon la revendication 1, caractérisé en ce que ledit trou ovale (30) a, à l'une de ses extrémités, un ergot (31) susceptible de s'engager dans une rainure évidée (26), définie par ledit bouton (25).

3. Bloc-notes selon la revendication 1, caractérisé en ce que ledit patin est guidé par glissement par les pattes (23) montées rigidement sur les surfaces internes desdits plats (2, 3).

4. Bloc-notes selon la revendication 1 et 2 ou 3, caractérisé en ce qu'il comprend également des moyens pour placer ledit patin (21), consti-

tué d'une languette (35) élastique, fournie sur le corps dudit patin et pouvant être logée dans un éviderment (36), défini par la surface interne dudit plat (2), maintenant ainsi ledit patin (21) dans une position requise en rapport avec ledit plat (2).

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Patentansprüche

1. Notizbuch bestehend aus einem Umschlag, der durch einen Vorderdeckel und einen Rückendeckel gebildet ist, die über ein Rückenteil (4) miteinander verbunden sind, mit einem Stapel von miteinander verbundenen Blättern (10) sowie mit Taschen (11), die von der Rückseite des Stapels der Blätter (10) wegstehen und entfernbare zwischen den Innenflächen der Flügel (2, 3) gehalten sind, dadurch gekennzeichnet, daß das Notizbuch weiterhin Einsätze (20) für die Aufnahme von Rechnern, Adressbüchern, Schreibblöcken, Papier- und Pappwaren und dgl. aufweist, welche (Einsätze) entfernbare an der Innenseite der Flügel (2, 3) vorgesehen sind, sowie Verriegelungsmittel besitzt, um die Einsätze (20) entfernbare an den Flügeln (2, 3) festzulegen, wobei die erwähnten Verriegelungsmittel einen Schieber (21), der verschiebbar an der Innenfläche der Deckel (2, 3) vorgesehen sind, sowie einen knopfartigen Abschnitt (25) aufweisen, der mit einer ovalen Öffnung (30), die in den Einsätzen (20) vorgesehen ist, eingreifen kann. 10
2. Notizbuch nach Anspruch 1, dadurch gekennzeichnet, daß die erwähnte ovale Öffnung (30) an einem Ende einen Zahn (31) aufweist, der in eine hinterschnittene Ausnehmung (26) eingreifen kann, die an dem erwähnten Knopf (25) gebildet ist. 15
3. Notizbuch nach Anspruch 1, dadurch gekennzeichnet, daß der Schieber durch Klappen oder Nasen verschiebbar geführt ist, die an der Innenseite der erwähnten Klappen (2, 3) fest vorgesehen sind. 20
4. Notizbuch nach Anspruch 1 und 2 oder 3, dadurch gekennzeichnet, daß es weiterhin Mittel zur Positionierung des Schiebers (21) aufweist, die durch ein elastisches Element (35) gebildet sind, der an dem Körper des erwähnten Schiebers vorgesehen ist und in eine Ausnehmung (36), die an der Innenfläche der erwähnten Klappe (2) vorgesehen ist, einzugreifen, um dadurch den erwähnten Schieber (21) in einer erforderlichen Stellung in bezug auf die erwähnte Klappe (2) zu halten. 25
5. Notizbuch nach Anspruch 1, dadurch gekennzeichnet, daß die erwähnte ovale Öffnung (30) an einem Ende einen Zahn (31) aufweist, der in eine hinterschnittene Ausnehmung (26) eingreifen kann, die an dem erwähnten Knopf (25) gebildet ist. 30
6. Notizbuch nach Anspruch 1, dadurch gekennzeichnet, daß der Schieber durch Klappen oder Nasen verschiebbar geführt ist, die an der Innenseite der erwähnten Klappen (2, 3) fest vorgesehen sind. 35
7. Notizbuch nach Anspruch 1 und 2 oder 3, dadurch gekennzeichnet, daß es weiterhin Mittel zur Positionierung des Schiebers (21) aufweist, die durch ein elastisches Element (35) gebildet sind, der an dem Körper des erwähnten Schiebers vorgesehen ist und in eine Ausnehmung (36), die an der Innenfläche der erwähnten Klappe (2) vorgesehen ist, einzugreifen, um dadurch den erwähnten Schieber (21) in einer erforderlichen Stellung in bezug auf die erwähnte Klappe (2) zu halten. 40
8. Notizbuch nach Anspruch 1, dadurch gekennzeichnet, daß die erwähnte ovale Öffnung (30) an einem Ende einen Zahn (31) aufweist, der in eine hinterschnittene Ausnehmung (26) eingreifen kann, die an dem erwähnten Knopf (25) gebildet ist. 45
9. Notizbuch nach Anspruch 1, dadurch gekennzeichnet, daß der Schieber durch Klappen oder Nasen verschiebbar geführt ist, die an der Innenseite der erwähnten Klappen (2, 3) fest vorgesehen sind. 50
10. Notizbuch nach Anspruch 1 und 2 oder 3, dadurch gekennzeichnet, daß es weiterhin Mittel zur Positionierung des Schiebers (21) aufweist, die durch ein elastisches Element (35) gebildet sind, der an dem Körper des erwähnten Schiebers vorgesehen ist und in eine Ausnehmung (36), die an der Innenfläche der erwähnten Klappe (2) vorgesehen ist, einzugreifen, um dadurch den erwähnten Schieber (21) in einer erforderlichen Stellung in bezug auf die erwähnte Klappe (2) zu halten. 55

